



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32054

Entry Year 2018

Acreage: 1,758

County Marquette

Management Area: Chain Lakes Moraine

Revision Date: 2016-08-09

Stand Examiner: Ben Travis

Legal Description:

T44N, R26W, Sections 4,5, and 6.

Identified Planning Goals:

Planning will focus on integrated timber management, forest recreation, fisheries management, and wildlife habitat management. Increasing public access to state lands is a high priority. Forest road monitoring/maintenance, trespass issues, forest regeneration, forest health, forest fire control, BMPs associated with watershed issues, and any resource damage incidents are all critical assessments considered during the forest cover type mapping, forest stand exams/inventory, collaborative development of proposed forest treatments, public comment documentation, and sustainable forest management planning processes.

Soil and topography:

Many drainages and wetlands throughout compartment. Some pockets of upland soils that are accessible for forest treatments.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

Part of a very large contiguous block of state ownership. Very few private inholdings within compartment or surrounding area.

Unique Natural Features:

Chandler Brook is a designated trout stream which passes through Sections 4 and 5.
Poplar Creek passes through Section 6.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

Compartment 54 is found within the Chain Lakes Moraine Management Area; on a Disintegration Moraine in Southwestern Marquette County. The dominant Natural Communities are dry mesic northern forests, poor conifer swamps, and mesic northern forests. This management area offers opportunities to increase diversity and perhaps long-term oak sustainability through under planting white and red pine. Another priority is to maintain or increase wildlife corridors especially along riparian corridors. Wildlife management issues in the management area are: mast (hard and soft); habitat fragmentation; mature forest conditions; mesic conifer; coarse woody debris; and retention or development of large living and dead standing trees (for cavities). This management area represents approximately ¼ of the oak resource on WUP state forest.

The following have been identified as featured species for Chain Lakes Management Area: black bear, gray jay, pileated woodpecker, Northern goshawk, red crossbill.

Mineral Resource and Development Concerns and/or Restrictions

Sections 4-6 & 9, T44N R26W, Marquette County

Surface sediments consist of medium- and coarse-textured and and peat and muck. There is insufficient data to determine the glacial drift thickness (<200 feet). The Cambrian Munising Formation and likely Archean granite and gneiss subcrop below the glacial drift. Sand/gravel pits are not located in the area but there may be potential on the uplands. Abandoned iron mines are located roughly five miles to the northeast. There is no known history of metallic mineral leasing or exploration in the vicinity of the compartment. There has been no economic oil and gas production in the UP.

Vehicle Access:

The north portion of Section 6 is accessed by Section 32 Road. The east portion of section 4 is accessed by Miller Creek Road. The SW 1/4 of Section 4 is accessed via Camp 10 Road. The center portion of the compartment is inaccessible due to large lowlands, lack of roads, and private property.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

Miller Creek Road is a state snowmobile trail, south of this Compartment. Hunting, trapping, fishing, berry picking, ORV use, and snowmobile use are all important recreational uses.

Fire Protection:

Lies within the Gwinn Management Unit area of fire protection. Wildfire risk is relatively low in this compartment.

Additional Compartment Information:

The following reports from the Inventory are attached:

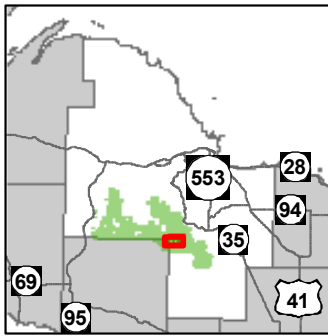
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

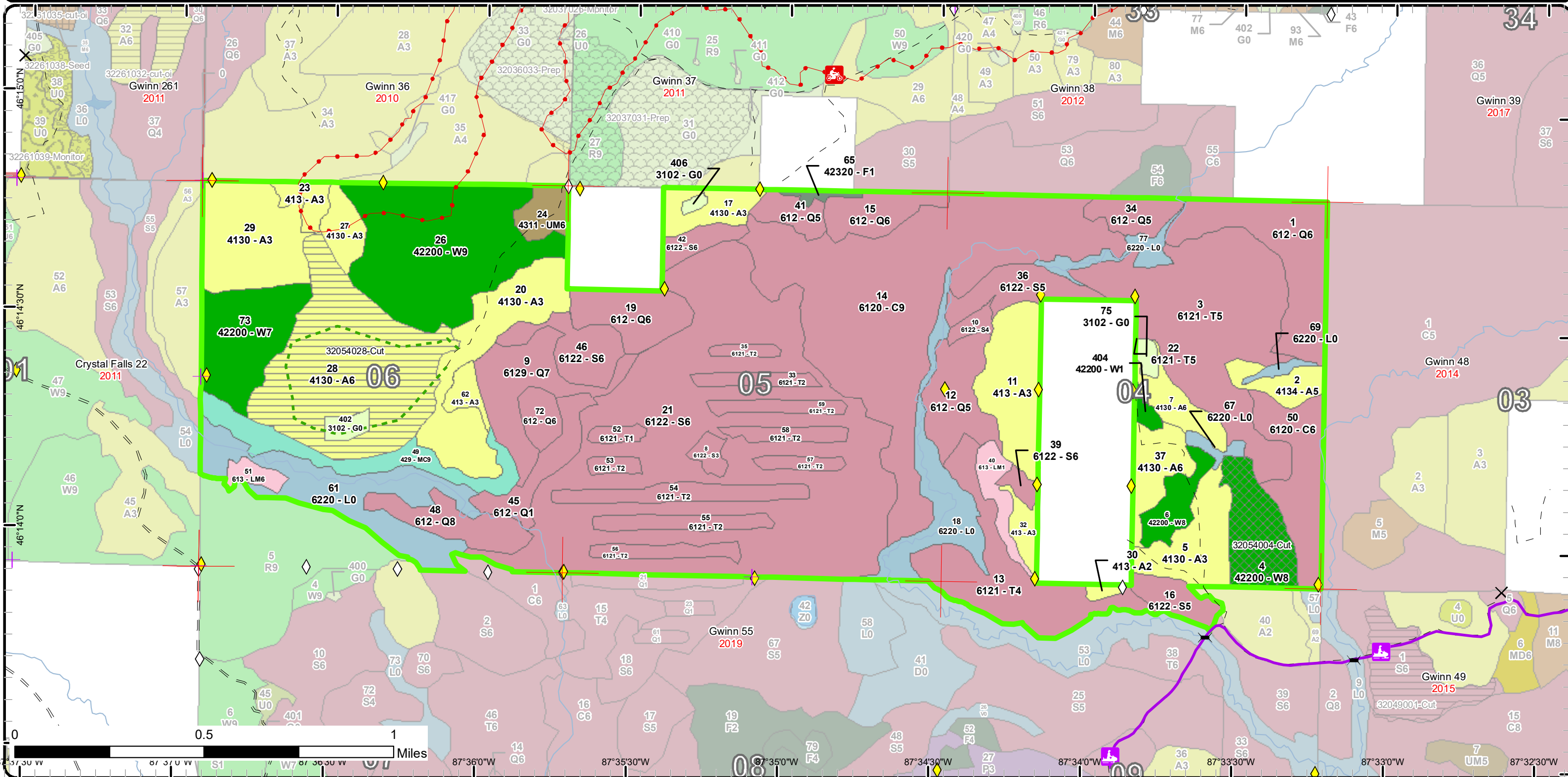
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 54
 T44N, R26W, Sec: 04, 05, 06
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Chain Lakes Moraine
 YOE: 2018
 Acres: 1757.6 GIS Calculated
 Examiner: Ben Travis
 Map Revised: 2/8/2017
 Map Phase: Post-Review

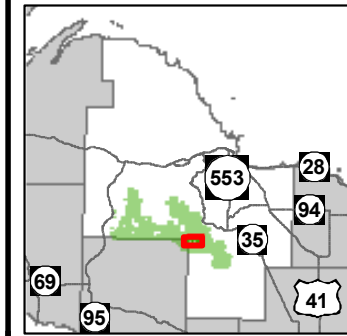


- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- X Gate
- Bridges
- 🏍️ Motorcycle Trails (DNR License)
- 🏍️ Snowmobile Trails
- - - Designated Hiking Trails
- - - ORV License & Trail Permit
- Gravel Roads
- - - Poor Dirt Roads
- Rivers
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- 413 - Aspen
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- Lakes

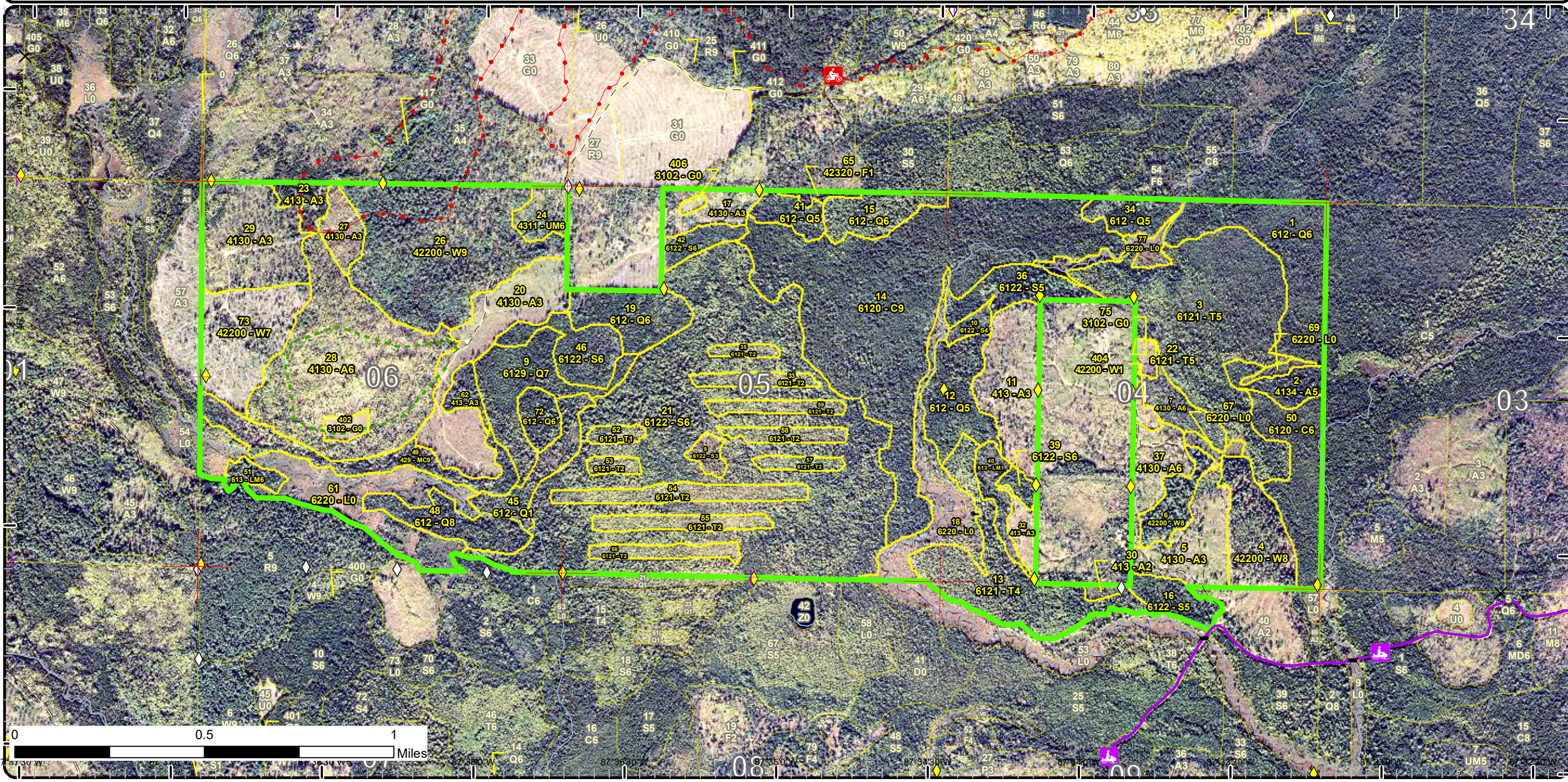


Stand Boundary Map

Compartment: 54
 T44N, R26W, Sec: 04, 05, 06
 County: Marquette
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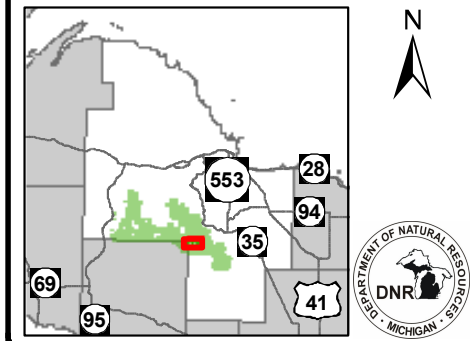


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- Stand Boundaries
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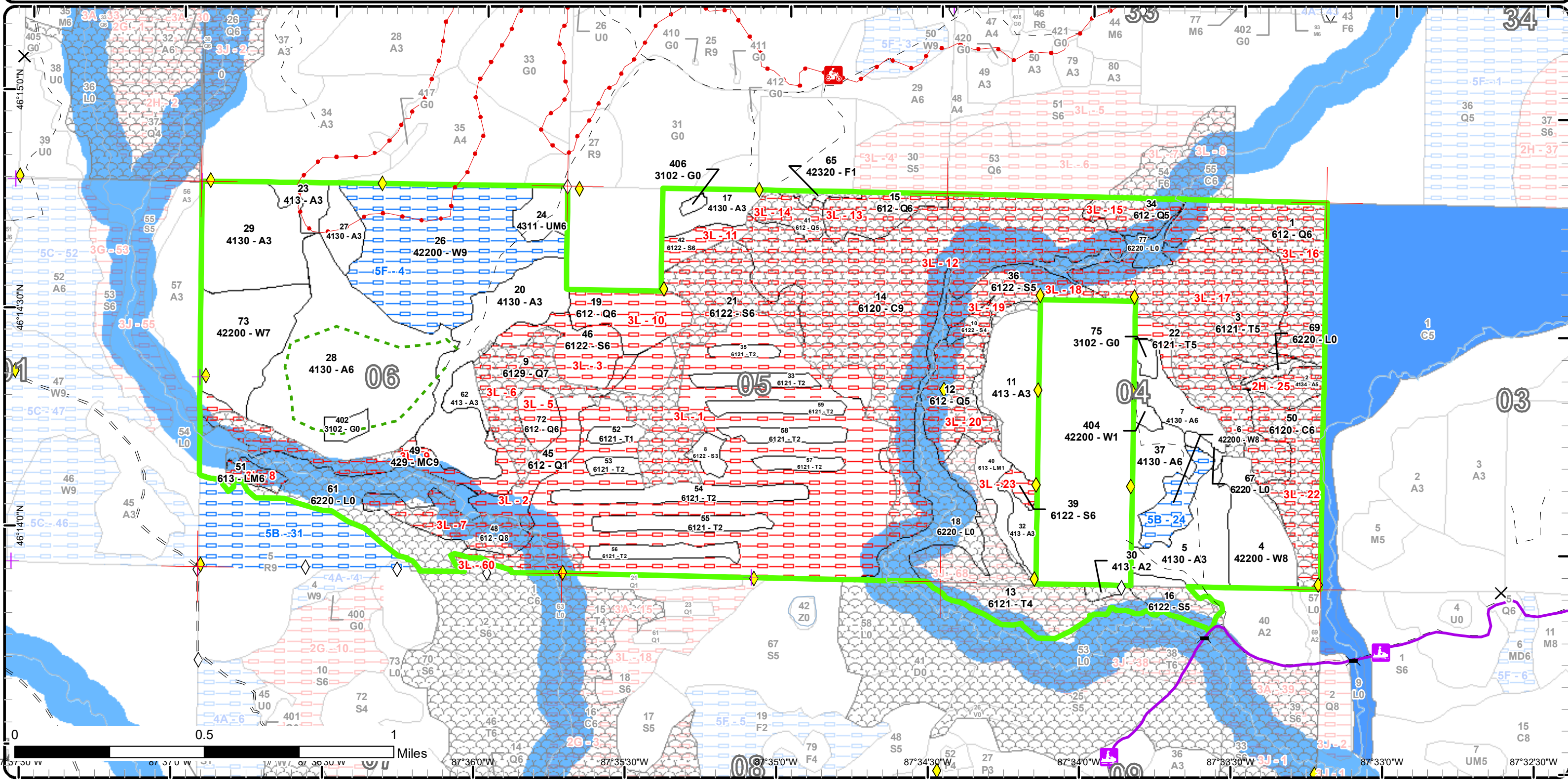


Special Conservation Areas & Site Conditions Map

Compartment: 54
 T44N, R26W, Sec: 04, 05, 06
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Chain Lakes Moraine
 YOE: 2018
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- Designated Hiking Trails
- ORV License & Trail Permit
- Designated Snowmobile Trails
- Gravel Roads
- - - Poor Dirt Roads
- Rivers
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3L: Other wildlife concerns
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Riparian Area



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	100	95	46	0	108	12	0	0	0	0	0	0	0	0	0	0	0	361
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	223	0	0	0	0	223
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Conifers	0	0	0	18	0	0	0	0	54	0	61	21	0	67	0	0	0	0	221
Lowland Mixed Forest	0	10	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	16
Lowland Shrub	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105
Lowland Spruce/Fir	0	0	0	5	0	0	0	4	66	275	0	0	0	0	0	0	0	0	350
Tamarack	0	0	0	79	0	0	0	0	166	0	0	0	0	0	0	0	0	0	245
Upland Conifers	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	30
Upland Mixed Forest	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Upland Spruce/Fir	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
White Pine	0	0	3	0	0	0	0	41	0	0	0	0	0	44	0	0	97	0	185
Total	114	110	98	161	0	108	12	45	316	275	61	27	0	111	223	0	97	0	1758



Report 2 – Treatment Summary

Gwinn Mgt. Unit

Compartment 54

Year of Entry: 2018

Acres of Harvest

Total Compartment Acres: 1,758

Commercial Harvest - 138
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	108	0	0	0	0	0	0	0	0	108
White Pine	0	31	0	0	0	0	0	0	0	31
Total	108	31	0	0	0	0	0	0	0	138

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	138	0	0	0	0	0	0	0	0	138
Next Step	0	0	0	0	0	0	138	0	0	138
Total	138	0	0	0	0	0	138	0	0	277

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
4 32054004-Cut	30.6	42200 - Natural White Pine	Sawtimber Medium	124	111-140	Harvest	Group Selection	4220 - Natural White Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Remove defective, poorly spaced, high risk, or desirable white pine and red pine to result in an overstory made up of a patchwork of various stocking levels/crown closures. Retain some white pine with wildlife value characteristics. Remove all red maple, spruce, and fir. Varying gap sizes and intensity of substrate disturbance from logging equipment will allow for wider range of seed bed conditions which will be conducive for the establishment and recruitment of white pine seedlings. Follow work instructions by leaving Legacy trees.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Regen: White pine, red pine, spruce, fir, aspen, birch, and maple.

Other

Supplementing natural regeneration of white pine with handplanting of white pine at a rate of 50 seedlings per acre may need to be considered if natural regeneration success is not stimulated.

Proposed Start Date: 10/01/2017

28 32054028-Cut	107.8	4130 - Aspen	Poetimber Well	49	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest all aspen, balsam poplar, maple, cherry, fir, and spruce. Leave any white pine, red pine, hemlock, elm, birch, cedar, and oak. Use patch retention, perhaps around the wildlife opening, purer patches of maple, or any vernal ponds located. Retain some bigtooth aspen for cavity nesters and goshawk nests. Leave some mature patches in stand.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Aspen, balsam poplar, birch, fir, maple, spruce, pine, and black cherry.

Other

Hunter Walking Trail should be graded once sale completed. Road would be available to plant to herbaceous cover. Berms shall be re-constructed after harvest.

Proposed Start Date: 10/01/2017

**Total Treatment
Acreage Proposed: 138.4**

Report 4 – Site Conditions

Gwinn Mgt. Unit
Ben Travis : Examiner

Compartment: 54
Year of Entry: 2018

Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
361	349	0	12
223	0	0	223
9	9	0	0
222	0	0	222
16	10	0	6
105	105	0	0
349	17	0	332
244	79	0	165
30	0	0	30
10	10	0	0
3	3	0	0
185	75	111	0
1,758	658	111	989
	37%	6%	56%

Dominant Site Conditions

	Dominant Site Conditions				
	5B	5F	2H	3J	3L
Aspen			12	0	
Cedar					223
Herbaceous Openland					
Lowland Conifers					222
Lowland Mixed Forest					6
Lowland Shrub					
Lowland Spruce/Fir					332
Tamarack				56	110
Upland Conifers					30
Upland Mixed Forest					
Upland Spruce/Fir					
White Pine	13	97			
Total Forested Acres	13	97	12	56	922
Relative Percent					

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3L: Other wildlife concerns	275	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
2	Unavailable	3L: Other wildlife concerns	18	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Ben Travis : Examiner

Compartment: 54
Year of Entry: 2018

3	Unavailable	3L: Other wildlife concerns	20	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
4	Available	5F: Evaluated for Forest Health Considerations	97	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Bob Heyd has indicated that this stand is highly infected with Diplodia, and should not be considered for red pine management at this time. The existing overstory red pine is already adversely impacted and not numerous enough to warrant a harvest. Understory red pine are also being impacted by Diplodia.							
5	Unavailable	3L: Other wildlife concerns	9	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
6	Unavailable	3L: Other wildlife concerns	34	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
7	Unavailable	3L: Other wildlife concerns	21	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
8	Unavailable	3L: Other wildlife concerns	6	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Ben Travis : Examiner

Compartment: 54
Year of Entry: 2018

9	Unavailable	3L: Other wildlife concerns	30	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
10	Unavailable	3L: Other wildlife concerns	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
11	Unavailable	3L: Other wildlife concerns	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
12	Unavailable	3L: Other wildlife concerns	186	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
13	Unavailable	3L: Other wildlife concerns	17	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
14	Unavailable	3L: Other wildlife concerns	10	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Ben Travis : Examiner

Compartment: 54
Year of Entry: 2018

15	Unavailable	3L: Other wildlife concerns	12	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
16	Unavailable	3L: Other wildlife concerns	49	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
17	Unavailable	3L: Other wildlife concerns	110	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
18	Unavailable	3L: Other wildlife concerns	20	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
19	Unavailable	3L: Other wildlife concerns	4	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
20	Unavailable	3L: Other wildlife concerns	28	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Ben Travis : Examiner

Compartment: 54
Year of Entry: 2018

22	Unavailable	3L: Other wildlife concerns	37	2G: Too wet (sensitive soils, does not include access issues)	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments: Core moose habitat.							
23	Unavailable	3L: Other wildlife concerns	4	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							
24	Available	5B: Maintain for regeneration purposes	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
60	Unavailable	3L: Other wildlife concerns	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Core moose habitat.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	612 - Lowland Coniferous Forest	Poletimber Well	48.8	99	81-110	
2	4134 - Aspen, Spruce/Fir	Poletimber Medium	12.1	58	51-80	Remote, isolated stand.
3	6121 - Tamarack	Poletimber Medium	109.7	76	51-80	Put into biodiversity maintenance to protect wildlife values and habitat. Some white birch poles.
4	42200 - Natural White Pine	Sawtimber Medium	30.6	124	111-140	Cut permit #43-88-1. In 2004, prescribed under-burning was tried after the sale but was unsuccessful as fuels were too damp. A prescribed burn was done, in part of the stand, in the spring of 2006. A M3 midstory in many places as soft maple just resprouted prolifically from fire. There are some small patches of W3 20 feet tall. Aspen whips invading along edge of stand.
5	4130 - Aspen	Sapling Well	28.6	16	Immature	Cut permit # 15-98-01. Dense stand. Sparse white birch poles. White birch, black cherry and red maple saplings present.
6	42200 - Natural White Pine	Sawtimber Medium	13.5	124	51-80	Cut under permit #43-88-1. A fire control line was put around part of the stand in the spring of 2006, with plans to burn, but the pine reproduction is so well established that it was decided not to burn. At the compartment review it was decided that the stand should be scheduled for a prescribed burn, with a possibility of underplanting if burning did not work. Heavily stocked understory with desirable advanced regeneration. Scattered white birch and trembling aspen poletimber.
7	4130 - Aspen	Poletimber Well	13.9	26	51-80	Cut under permit #43-88-1. Fir distributed in small patches - not enough and not large enough to warrant early entry and taking sub-merchantable aspen.
8	6122 - Black Spruce	Sapling Well	4.7	26	Immature	
9	6129 - Mixed Coniferous Lowland Forest	Sawtimber Poor	34.2	123	81-110	
10	6122 - Black Spruce	Poletimber Poor	4.1	75	81-110	
11	413 - Aspen	Sapling Well	37.3	7	Immature	OPIC - FMD: A6F4S4, Cut this TP Stand treated under contract #009-08-01 by Minerick.
12	612 - Lowland Coniferous Forest	Poletimber Medium	27.5	71	81-110	
13	6121 - Tamarack	Poletimber Poor	55.7	77	81-110	
14	6120 - Lowland Cedar	Sawtimber Well	186.2	130	141-170	
15	612 - Lowland Coniferous Forest	Poletimber Well	17.3	79	81-110	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	6122 - Black Spruce	Poletimber Medium	12.5	75	51-80	Labrador tea. White birch uncommon in canopy. Red maple saplings found.
17	4130 - Aspen	Sapling Well	14.2	28	Immature	
19	612 - Lowland Coniferous Forest	Poletimber Well	23.8	128	81-110	
20	4130 - Aspen	Sapling Well	48.7	8	Immature	Harvested under permit #32-08-08-01 in 2009. Well-stocked. Scattered mature white pine and black spruce remain from previous stand. White pine, black spruce, red pine, black cherry, and red maple saplings found.
21	6122 - Black Spruce	Poletimber Well	274.9	86	Unspecified	
22	6121 - Tamarack	Poletimber Medium	0.0	76	51-80	Put into biodiversity maintenance to protect wildlife values and habitat. Some white birch poles.
23	413 - Aspen	Sapling Well	7.7	18	Immature	Cut prmt. # 14-98-01. Some black cherry, red pine, white pine, and white spruce retained from past harvest.
24	4311 - Pine, Aspen Mix	Poletimber Well	10.4	28	81-110	Fir, black cherry, black spruce, and white pine saplings found. Fir, white birch, white spruce, and black spruce are uncommon overstory associates.
26	42200 - Natural White Pine	Sawtimber Well	97.1	180	81-110	Thinned in 1989. Severe Diplodia outbreak to immediate north of stand. Diplodia symptoms prevalent in this stand, both red pine saplings and large red pine canopy trees which have 1/2 of canopy lacking any needles. Standing dead red pine. Higher concentration of red pine in canopy to the south. Some 2-3 stick aspen and white birch. Areas where canopy is more sparse. Bob Heyde, Bob Tylka, and Tom Seablom inspected stand spring of 2016. Diplodia evident on pine cones. Stand is to be considered infected and should not be considered for red pine management. There is not enough red pine product to warrant an entry. Also, midstory very thick and will provide next merchantable products.
27	4130 - Aspen	Sapling Well	11.2	19	Immature	Moderate level of aspen stocking - adequate for forestry purposes. Sparse red pine and white spruce saplings.
28	4130 - Aspen	Poletimber Well	107.8	49	51-80	Cut in 1973. Old hunter walking trail inside stand. Mainly 4 to 6 stick aspen, with some 3 stick too. Red maple poles found. Pockets of stem breakage, so patches of lower stocking. Nice straight aspen boles. Foliage damage on fir due to SBW. Black cherry and white pine saplings present. Heavy white spruce regen on closed roads.
29	4130 - Aspen	Sapling Well	45.7	18	Immature	Cut prmt. # 14-98-01. Scattered white pine supercanopy trees. Black cherry and red maple saplings found.
30	413 - Aspen	Sapling Medium	2.0	19	1-50	

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Gwinn Mgt. Unit

Report 7 – Forested Stands

Compartment: 54
Year of Entry: 2018

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
32	413 - Aspen	Sapling Well	7.4	7	Immature	Stand treated under contract #009-08-01.
33	6121 - Tamarack	Sapling Medium	7.4	25	Immature	Cut under permit #32-88-1.
34	612 - Lowland Coniferous Forest	Poletimber Medium	12.4	99	51-80	Remote, isolated stand.
35	6121 - Tamarack	Sapling Medium	3.7	25	Immature	Cut under permit #32-88-1.
36	6122 - Black Spruce	Poletimber Medium	20.2	79	51-80	Buffer along creek. Remote and isolated by private land.
37	4130 - Aspen	Poletimber Well	18.0	26	81-110	CUT under permit #43-88-1. 1 stick aspen. Hazel present in small patches. White pine regeneration along roads where mineral soil exposed.
39	6122 - Black Spruce	Poletimber Well	3.9	63	81-110	
40	613 - Lowland Mixed Forest	Sapling Poor	10.3	7	Immature	Stand treated under contract #009-08-01.
41	612 - Lowland Coniferous Forest	Poletimber Medium	9.9	77	51-80	
42	6122 - Black Spruce	Poletimber Well	8.6	76	81-110	
45	612 - Lowland Coniferous Forest	Sapling Poor	17.9	23	Immature	
46	6122 - Black Spruce	Poletimber Well	20.4	75	81-110	
48	612 - Lowland Coniferous Forest	Sawtimber Medium	21.1	107	51-80	
49	429 - Mixed Upland Conifers	Sawtimber Well	29.5	70	81-110	Windthrow a problem. Hemlock, tamarack, and black cherry are uncommon overstory associates.
50	6120 - Lowland Cedar	Poletimber Well	36.5	133	51-80	Cedar canopy healthy. Sphagnum prevalent. Put into biodiversity maintenance to protect wildlife values and habitat.
51	613 - Lowland Mixed Forest	Poletimber Well	5.6	107	51-80	
52	6121 - Tamarack	Sapling Poor	4.0	25	Immature	Cut under permit #32-88-1.
53	6121 - Tamarack	Sapling Medium	3.7	25	Immature	Cut under permit #32-88-1.

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Gwinn Mgt. Unit

Report 7 – Forested Stands

Compartment: 54
Year of Entry: 2018

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
54	6121 - Tamarack	Sapling Medium	18.1	25	Immature	Cut under permit #32-88-1.
55	6121 - Tamarack	Sapling Medium	11.9	25	Immature	Strip harvests under permit #32-88-1.
56	6121 - Tamarack	Sapling Medium	9.3	25	Immature	Cut under permit #32-88-1.
57	6121 - Tamarack	Sapling Medium	5.2	25	Immature	Cut under permit #32-88-1.
58	6121 - Tamarack	Sapling Medium	7.5	25	Immature	Cut under permit #32-88-1.
59	6121 - Tamarack	Sapling Medium	8.0	25	Immature	Cut under permit #32-88-1.
62	413 - Aspen	Sapling Well	6.4	8	Immature	Harvested under prmt# 08-08-01 in 2009. Some black cherry, red and white pine, and white spruce trees scattered about in the stand as residual from harvest.
65	42320 - Upland Spruce	Sapling Poor	2.7	25	1-50	Possible timber trespass.
72	612 - Lowland Coniferous Forest	Poletimber Well	9.2	123	81-110	
73	42200 - Natural White Pine	Sawtimber Poor	41.1	66	1-50	Stand harvested as "Two County Aspen" #007-08-01 - cut July-August, 2013.
404	42200 - Natural White Pine	Sapling Poor	3.1	11	Immature	Low quality grass with small patches of birdsfoot trefoil. Small patches of bracken, moss, and exposed sand. Some fir poles. Willow and cherry encroachment.



Stand	Cover Type	Acres	Managed Site	General Comments:
18	6220 - Alder/willow	33.6	No	
61	6220 - Alder/willow	55.7	No	Floodplain for stream.
67	6220 - Alder/willow	3.6	No	
69	6220 - Alder/willow	2.7	No	
75	3102 - Grass	3.2	No	Opening created 1994. Not good herbaceous forage. Bracken fern. White pine, black spruce, red pine, and cherry saplings present.
77	6220 - Alder/willow	9.7	No	stream floodplain.
402	3102 - Grass	4.6	Yes	Foodplot quality opening. 100% open. Good meadow to maintain long-term.
406	3102 - Grass	1.5	No	Created in 1990.